Polycom® SoundPoint® IP

Features and Benefits

Why Polycom VoIP?

- Polycom is a *leading independent supplier* of standards-based VoIP telephones.
- To offer you a *choice of end-to-end, integrated VoIP solutions*, Polycom ensures that your Polycom phones are fully interoperable with major standards-based IP PBX and Softswitch platforms[1].
- Polycom's *comprehensive product portfolio* encompasses the SoundPoint IP family of desktop phones, the attendant console based on the SoundPoint IP 601 and Expansion Module, and the SoundStation® IP 4000 conference phone.

Features and Benefits

Outstanding Voice Quality	• Polycom's legendary Acoustic Clarity Technology has been validated by 13 years of market leadership in voice conferencing: - Exceptional sound quality, echo cancellation, and noise reduction - Interactive conversations that are as natural as being there[2] - Polycom full-duplex is Type 1 compliant with IEEE 1329 standards • Network-related provisioning for superb voice quality: - Quality of Service Support – IEEE 802.1 p/Q and Layer 3 TOS - Dynamic jitter buffer - Sophisticated packet loss concealment algorithms
Enhanced Call Handling, Security, and Advanced Applications[3, 4]	• Support of up to 24 simultaneous calls on up to 12 lines • Multiple call- and flexible line appearances • Multilingual user interface • HTTPS secure provisioning[5], support of "signed" software executables[6] • Presence, instant messaging, directory, buddy lists, three-way local conferencing, custom ring tones
Ease of Use	• Polycom VoIP telephones provide an easy transition from traditional PBX systems to the world of IP telephony: - Intuitive user interface - Large, feature-rich LCD displays with up to 320x160 pixel resolution - Up to 18 dedicated familiar PBX-like function keys - Up to 4 context-sensitive soft keys
Ease of Installation and Support	• Polycom VoIP phones are designed to make installation, configuration and support as simple and efficient as possible: - Centralized configuration and field upgradeability from an FTP, TFTP, HTTP[5], or HTTPS[5] server. - Manual or DHCP set-up. Web configuration - Dual switched 10/100 Mbps Ethernet ports for LAN and PC connection (SoundPoint IP only) - Choice of powering options for SoundPoint IP: AC adapter or Power over Ethernet (Cisco® Inline Power and IEEE 802.3af)
Investment Protection	• Polycom VoIP telephones can be upgraded to new software and firmware in the field as protocols develop and standards evolve • Since Polycom VoIP telephones are standards-based, there is no need to replace them when upgrading or replacing your standards-based call server solution

[1] Please visit http://forms.polycom.com/audio_files/techpartners.htm for a full list of supported IP PBX and Softswitch solutions.
[2] On all models, except for the SoundPoint IP 300 and 301.
[3] Most features must be supported by the call server. Please contact your IP PBX or Softswitch vendor for a list of supported features.
[4] Not all Polycom VoIP phones support all features. Please refer to the product documentation (user guides and data sheets) for details.
[5] Requires SIP version 1.5.x or higher.
[6] Requires BootROM 3.0.x or higher.

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VideoVoiceDataWeb

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